

What is claimed is:

1. A method of creating feedback control in a closed hydrostatic circuit having a servo controlled axial piston hydrostatic pump with a servo piston drain, and a control spool with a drain orifice defined by a variable irregularly shaped metered porting notch open to the servo piston drain of the piston, and having an inlet defined by a metered porting notch, disposed within a control sleeve steps comprising:
displacing pressurized fluid within the closed hydrostatic circuit;
rotating the control spool to create an error signal;
removing the error signal with the control sleeve;
metering the servo piston drain with an irregularly shaped metering porting notch.
2. The method of claim 1 wherein the control sleeve has inlet and outlet defined by metered porting notches.
3. The method of claim 2 wherein the spool and sleeve metered porting notches and the error signal generate a two-path, variable orifice flow within the hydraulic circuit.
4. A control system for a closed hydrostatic circuit having a servo controlled axial piston hydrostatic pump with a servo drain comprising:
an elongated spool having a servo fill metering port and an irregularly shaped servo drain metering port fluidly connected to the servo drain of the piston;

5. A closed hydrostatic circuit having an axial piston hydrostatic pump with a servo system comprising:
a rotary control spool valve having a servo fill port and an irregularly shaped servo drain metering port fluidly
5 connected to the servo system; and
a charge pump operably connected to the rotary control spool to provide charge pressure to the circuit.
6. The closed hydrostatic circuit of claim 5 wherein the
10 servo fill port is metered.
7. The closed hydrostatic circuit of claim 5 wherein the rotary control spool valve is comprised of an elongated spool that is adapted to be partially disposed within a
15 spool sleeve.
8. The closed hydrostatic circuit of claim 7 wherein rotating the control spool within the spool sleeve creates an error signal.